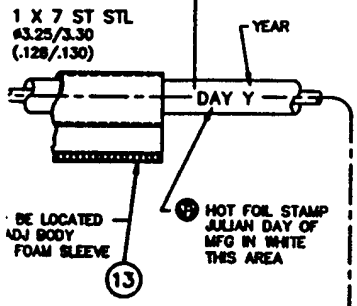
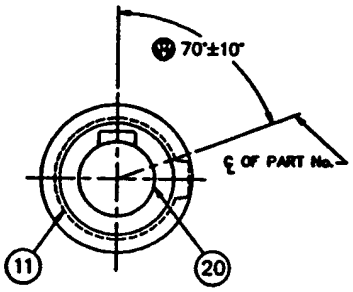
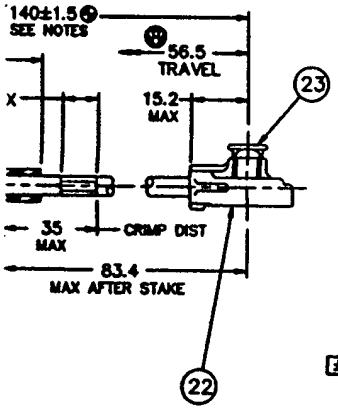
SYM.	DATE	REVISION RECORD	AUTH.	DR.	CK.
–	[redacted]	RELEASE TO PROTOTYPE	MR	TD	
REL	[redacted]	REL TO PROD EDCN 17586	MR	CW	
1	[redacted]	ROTATED ORIENT BY 90); 1642.3 WAS 1717.8; 1805.2 WAS 1680.5; 1767.3 WAS 1632.8; 1720.2 WAS 1795.5; ADDED 954J-S7902			
		CABLE ASSY P/N & CUST REV LEVEL	MPL	TPT	
2	05MY94	8430-S7106 WAS 944J-S7100	MPL	LBH	
3	13MY94	ADDED 954J-S7903 TO 954J-S7003	MPL	TPT	
4	19OCT94	290±50 WAS 80±50; ADDED 70±10°; 34-7614 WAS 88-7602; ADDED OBSOLETED & REPLACED BY 954J-S7009 & 10 DWO 6000	MR	TPT	

OBSOLETED & REPLACED BY 954J-S7009 & 10





END FITTINGS MUST BE ORIENTED AS SHOWN ±45°



954J-S7002

4

	1	23	38-7801	CAP
	1	22	34-7614	TERMINAL ASS'Y
	1	21	818P-S7309	SWIVEL TUBE
	1	20	18-7210	END FITTING – SNAP-IN
	1	19	813P-S7300	CAP – SPACER
	1	18	14-7100	GROMMET – SHIFTER
	1	17	927N-S7700	TIE STRAP
	1	16	912F-S7109	SLEEVE FOAM
±1	1	15	943C-S7105	CONDUIT – LGTH CHARTED
	1	14	SEE CHART	858P-S7506 CABLE ASSY
	1	13	954J-S7101	HEAT SLEEVE
	1	12	881R-S7300	LOCK
	1	11	84-7301	BODY SNAP-IN
	1	10	87-7700	SPRING – ADJUST
	1	9	63-7202	INNER FITTING
	1	8	63-7201	ISOLATOR
	1	7	71-7201	SLIDER – END FITTING
	1	6	873P-S7706	RETAINER – SPRING
	1	5	858P-S7702	SHIELD
	1	4	813P-C7302	SWIVEL TUBE
	1	3	858P-S7703	CAP – WIPER
	1	2	629P-S7704	RING – WIPER
	1	1	61-7600	TERMINAL ASS'Y
	QUAN. REQ.	ITEM NO.	PART NO.	DESCRIPTION

LIST OF MATERIAL

B-VAN

METRIC
DIMENSIONS ARE IN MILLIMETERS
ENGLISH EQUIVALENTS IN BRACKETS

ANY CHANGE IN PROCESS OR COMPOSITION REQUIRES PRIOR ENGINEERING APPROVAL

100% INSPECTION/PROCESS REQUIRED
VERIFICATION & MONITORING REQUIRED
CONTINUOUS SPC/CAPABILITY REQUIRED

TOLERANCE UNLESS OTHERWISE SPECIFIED
X OR X.X ± —
XXX ± —
ANGLES ± —

DO NOT SCALE | REPORT ERRORS

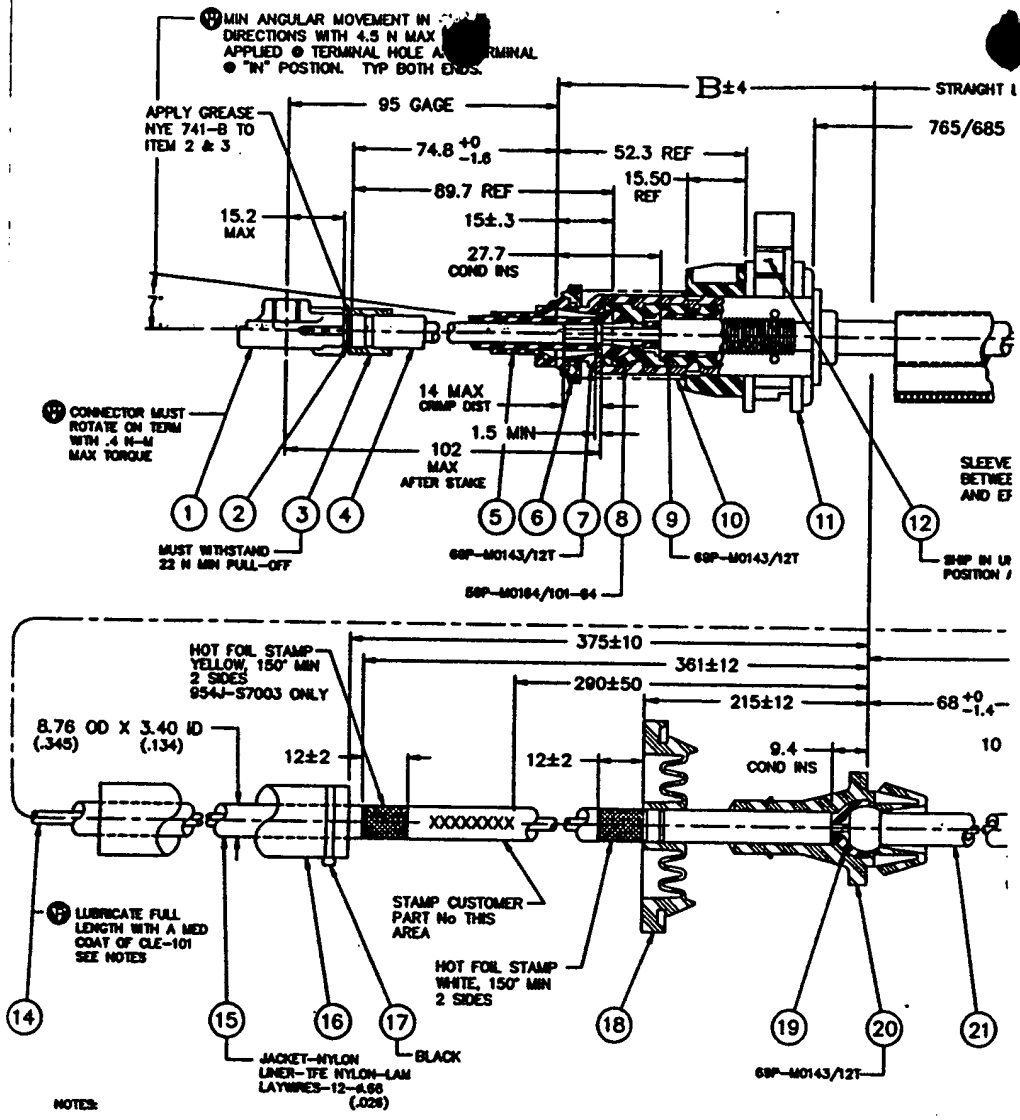
SCALE: FULL
PROJECTION
DR: TD 01JL93
CK:
MATERIAL SPEC: SEE DETAILS & NOTED
NEXT ASSY:
FINAL ASSY: FINAL

PART NO.: 52078820 REV C 18AP94
DESCRIPTION: ASSY-TRANS CONT SHIFT

Teleflex automotive CAD
DWG. NO.: 954J-S7002
SIZE: C

ENGINEERING
OCT 21 1994

F ,10 CPM MIN



NOTES:

1. PROCESS CONDUIT PER ESDC-7100 BOTH ENDS.
2. CONDUIT & END FITTINGS MUST WITHSTAND 445 N TENSION & COMPRESSION WITHOUT SLIPPING OR CRACKING.
3. TERMINAL & CORE MUST WITHSTAND 890 N PULL WITHOUT SLIPPING, YIELDING OR CRACKING.
4. CONSTRUCTION STRENGTH & INTEGRITY - WHEN ROUTED IN INSTALLED POSITION SHOWN BY CUSTOMER DRAWING, ASSEMBLY MUST WITHSTAND A TENSILE LOAD OF 890 N @ A COMPRESSIVE LOAD OF 180 N NO YIELDING, PERMANENT DEFORMATION OR CRACKS ARE PERMISSIBLE FOR EITHER MODE. NOT MORE THAN 3 DEFLECTION IS PERMISSIBLE FOR THE COMPRESSION MODE AT 22.2°C.
5. LIFECYCLE BACKLASH - DIMENSION & TOLERANCE MARKED (5) IS TO BE QUALIFIED @ 140 WITH CONTROL ROUTED IN INSTALLED POSITION AND OPPOSITE END GAGED AND FIXED AT 95. QUALIFICATION SHALL INCLUDE A MAX TOTAL BACKLASH OF 2.2 FOR A 17.8 N PUSH AND PULL LOAD AT 22.2°C AFTER 50,000 CYCLES.
6. BACKLASH - DIMENSION AND TOLERANCE MARKED (6) IS TO BE QUALIFIED @ 140 WITH CONTROL ROUTED IN MANDREL APPROVED DESIGN ORIENTATION BY ENGINEER. OPPOSITE END GAGED AND FIXED AT 95. QUALIFICATION SHALL INCLUDE A MAX TOTAL BACKLASH OF 1.20 FOR A 17.8 N PUSH AND PULL LOAD AT 22.2°C AND 0 CYCLES.
7. OPERATION EFFORTS - WHEN ROUTED IN INSTALLED POSITION THE FREE STATE EFFORT REQUIRED TO MOVE THE CORE THROUGH ITS STROKE SHALL NOT EXCEED 13.3 N AT 22.2°C.
8. DURABILITY - IN INSTALLED ROUTING, ASSEMBLY MUST CYCLE THROUGH MIN SPECIFIED TRAVEL FOR 50,000 CYCLES AT -40°C AND 82°C WITH R WITH AN OUTPUT LOAD OF 89 N WITHOUT FAILURE OF ANY PHYSICAL PART OR EXCEEDING DIMENSIONAL SPECIFICATIONS.
9. CONTROL MUST OPERATE AND MAINTAIN DIMENSIONAL AND PERFORMANCE CRITERIA FOR A TEMP RANGE OF 40°C TO 82°C.
10. TRANS END FITTING MUST SNAP INTO 2.80/3.20 THK AND APPROPRIATELY KEYED 32.40/32.70 DIA PLATES WITH MAX 130 N FORCE AND MUST WITHSTAND 450 N MIN PULLOUT LOAD.
11. FLOOR/COLUMN END FITTING MUST SNAP INTO 2.55/2.20 THK AND APPROPRIATELY KEYED 20.30/20.60 DIA PLATES WITJ MAX 110 N FORCE AND WITHSTAND 450 N MIN PULLOUT LOAD.
12. CABLE MUST BE CLEAN AND FREE OF DIRT AND OTHER FOREIGN MATERIAL PRIOR TO APPLICATION OF LUBE AND INSERTION INTO CONDUIT ASSY.

954J-S7003	52078819	1642.3	1605.2	954J-S7903
954J-S7002	52078674	1757.3	1720.2	954J-S7902
TELEFLEX PART No	CUSTOMER	B	COND LGTH	CABLE ASSY